

CLAIMS

1. Apparatus for providing application execution data to a profiling agent on a remote system as requested by said agent, wherein a first application local to said apparatus generates said application execution data, said apparatus comprising:

means for receiving a request via a network interface from said profiling agent for said application execution data;

means, responsive to said request, for requesting said application execution data from said first application via a local interface;

means for receiving said application execution data from the first application via said local interface; and

means, responsive to receipt of said application execution data, for transmitting said application execution data to the profiling agent via said network interface.

2. The apparatus of claim 1 wherein said network interface exposes substantially all the functionality of the local interface to a profiling agent on a remote system.

3. The apparatus of claim 2 wherein said network interface further allows receipt of controls from said

profiling agent for controlling the operation of said apparatus.

4. The apparatus of claim 3, wherein at least one of said controls provides for selectively switching between synchronous and asynchronous transmission of said application execution data to said profiling agent.

5. The apparatus of claim 3, wherein said controls are transmitted over a first connection, and said application execution data over a second connection.

6. The apparatus of claim 1, further comprising a buffer for storing said application execution data prior to transmission to said profiling agent.

7. The apparatus of claim 6, wherein said application execution data comprises events, and each buffered event includes a timestamp.

8. The apparatus of claim 7, wherein at least one of said events is specified as synchronous, and said apparatus comprises means, responsive to receipt of a synchronous event, for switching to synchronous transmission of said application execution data.

9. The apparatus of claim 1 comprising:

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means for compressing said application execution data, prior to transmitting said application execution data to said profiling agent.

5 10. The apparatus of claim 1, wherein said local interface is a java virtual machine profiling interface and said first application is a java virtual machine, and wherein a second application executes on top of said first application and causes said first application to
10 generate said application execution data.

11. A method for providing application execution data to a profiling agent on a remote system as requested by said agent, wherein a first application generates said
15 application execution data, said method comprising the steps of:

receiving a request at an apparatus via a network interface from said profiling agent for said application execution data;

20 responsive to said request, requesting said application execution data from said first application via a local interface;

receiving said application execution data at said apparatus from the first application via said local
25 interface; and

responsive to receipt of said application execution data at said apparatus, transmitting said application

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execution data to the profiling agent via said network interface.

12. The method of claim 11 wherein said network interface exposes substantially all the functionality of the local interface to a profiling agent on a remote system.

13. The method of claim 12 further comprising the step of:

receiving controls from the profiling agent at said apparatus for controlling the operation of said apparatus.

14. The method of claim 13 further comprising the step of:

responsive to receipt of at least one of said controls, selectively switching between synchronous and asynchronous transmission of said application execution data to said profiling agent.

15. The method of claim 13 comprising the steps of:
transmitting the controls over a first connection;
and

transmitting said application execution data over a second connection.

16. The method of claim 11, further comprising the step of:

storing said application execution data in a buffer prior to transmission to said profiling agent.

17. The method of claim 16, wherein said application execution data comprises events, and said method comprises the step of:

including a timestamp with each buffered event.

18. The method of claim 17, wherein at least one of said events is specified as synchronous, said method further comprising the step of:

responsive to receipt of a synchronous event, switching to synchronous transmission of said application execution data.

19. The method of claim 11 comprising the step of:

compressing said application execution data, prior to transmitting said application execution data to said profiling agent.

20. The method of claim 1, wherein said local interface is a java virtual machine profiling interface and said first application is a java virtual machine, and wherein a second application executes on top of said first application and causes said first application to generate said application execution data.

